Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC
Draw Desc | Image

☐ 4. Document ID: DE 4209242 A1 DE 59300363 G EP 562329 A1 EP 562329 B1 FI 9301229 A JP 06016965 A US 5277711 A

L35: Entry 4 of 7 File: DWPI Sep 23, 1993

DERWENT-ACC-NO: 1993-304384
DERWENT-WEEK: 199339

TITLE: Gloss pigment comprising mixt. of aluminium@ particles coated with iron oxide - and mica particles coated with iron oxide avoiding danger of ignition and dust explosion

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC
Draw Desc | Image

☐ 5. Document ID: EP 419964 A DE 3932166 A AU 9063151 A CA 2026120 A JP 03126625 A AU 632853 B EP 419964 B1 DE 59004210 G

L35: Entry 5 of 7 File: DWPI Apr 3, 1991

DERWENT-ACC-NO: 1991-095449
DERWENT-WEEK: 200155

TITLE: Iron oxide red or brown pigment micro:granulate prodn. - from iron oxide yellow or black suspension by spray drying and calcination

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC
Draw Desc | Image

☐ 6. Document ID: JP 61127661 A

L35: Entry 6 of 7 File: DWPI Jun 14, 1986

DERWENT-ACC-NO: 1986-194082
DERWENT-WEEK: 198630

TITLE: Di:electric ceramic material - prepd. by including iron oxide in principal compsn. contg. titanium-, barium-, and neodymium oxide used for dielectric resonator

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 7. Document ID: SU 975634 A

L35: Entry 7 of 7 File: DWPI Nov 23, 1982

DERWENT-ACC-NO: 1983-770115

DERWENT-WEEK: 198338

TITLE: Ferrous binder for non-roasting granulation of iron ores - prepd. by mixing iron oxide(s) with carbonate component, firing and grinding clinker

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Term	Documents
TEMPERATURE.DWPI,EPAB,JPAB,USPT,PGPB.	2201326
TEMP.DWPI,EPAB,JPAB,USPT,PGPB.	766852
TEMPS.DWPI,EPAB,JPAB,USPT,PGPB.	79296
TEMPERATURES.DWPI,EPAB,JPAB,USPT,PGPB.	628572
(34 AND TEMPERATURE).USPT,PGPB,JPAB,EPAB,DWPI.	7
(L34 AND TEMPERATURE).USPT,PGPB,JPAB,EPAB,DWPI.	7

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Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 5439518 A

L35: Entry 1 of 7 File: USPT Aug 8, 1995

US-PAT-NO: 5439518
DOCUMENT-IDENTIFIER: US 5439518 A

TITLE: Flyash-based compositions

DATE-ISSUED: August 8, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Francis; Hubert C.	Lithonia	GA		
Ksionzyk; Anne H.	Decatur	GA		

US-CL-CURRENT: 106/705; 106/778, 106/783, 106/785, 106/DIG.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 2. Document ID: RU 2097357 C1

L35: Entry 2 of 7 File: DWPI Nov 27, 1997

DERWENT-ACC-NO: 1998-331037
DERWENT-WEEK: 199829
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TITLE: Composition of protective-decorative coating for building constructions - contains phosphate binder, pigment and filler selected from specified groups, latex, surfactant, foam extinguisher and water

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

☐ 3. Document ID: DE 19548418 A1 US 5718755 A

L35: Entry 3 of 7 File: DWPI Jun 26, 1997

DERWENT-ACC-NO: 1997-333918
DERWENT-WEEK: 199814
COPYRIGHT 2002 DERWENT INFORMATION LTD

TITLE: Black iron oxide pigment granules for pigmentation - are produced by tempering the spray dried granulate at specified temperature in an indirectly heated rotary oven

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L38: Entry 42 of 182 File: USPT Jul 25, 2000

US-PAT-NO: 6093761
DOCUMENT-IDENTIFIER: US 6093761 A

TITLE: Binder system and method for particulate material

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schofalvi; Karl-Heinz	South Euclid	OH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Stanton Advanced Materials, Inc.	Richmond Hts.	OH			02

APPL-NO: 09/ 291904 [PALM]
DATE FILED: April 14, 1999

PARENT-CASE:
CROSS REFERENCE TO RELATED APPLICATIONS This application claims the benefit of U.S. Provisional Application No. 60/083,184 filed Apr. 27, 1998.

INT-CL: [07] C08 K 5/29, C08 K 3/18, C08 K 3/22

US-CL-ISSUED: 524/195; 524/430, 524/439, 524/442
US-CL-CURRENT: 524/195; 524/430, 524/439, 524/442

FIELD-OF-SEARCH: 524/195, 524/430, 524/439, 524/442

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3933941	January 1976	Yonemitsu et al.	260/873
☐	4197118	April 1980	Wiech, Jr.	75/228
☐	4265794	May 1981	Pett et al.	264/63
☐	4283360	August 1981	Henmi et al.	264/63
☐	4305756	December 1981	Wiech, Jr.	75/211
☐	4456713	June 1984	French et al.	523/455
☐	4595558	June 1986	Baldwin et al.	419/66
☐	4602953	July 1986	Wiech, Jr.	75/228

☐	4624812	November 1986	Farrow et al.	524/413
☐	4638029	January 1987	Meschke et al.	524/430
☐	4734237	March 1988	Fanelli et al.	501/87
☐	4765950	August 1988	Johnson	419/2
☐	4814370	March 1989	Kramer et al.	524/391
☐	4891399	January 1990	Ohkawa et al.	523/200
☐	4898902	February 1990	Nagai et al.	524/275
☐	5002988	March 1991	Ono et al.	524/100
☐	5028367	July 1991	Wei et al.	264/63
☐	5030677	July 1991	Achikita et al.	524/183
☐	5066625	November 1991	Philipp	501/127
☐	5087594	February 1992	Kato et al.	501/97
☐	5098942	March 1992	Menke et al.	524/314
☐	5135977	August 1992	Achikita et al.	524/183
☐	5145900	September 1992	Sterzel et al.	524/404
☐	5155158	October 1992	Kim	524/424
☐	5250251	October 1993	Fanelli et al.	264/328.2
☐	5252314	October 1993	DeGuire et al.	423/593
☐	5256451	October 1993	Philipp et al.	427/374.2
☐	5266264	November 1993	Miura et al.	419/37
☐	5278251	January 1994	Ohtani et al.	525/309
☐	5280086	January 1994	Kawamoto et al.	525/398
☐	5281650	January 1994	Burk et al.	524/430
☐	5286802	February 1994	Uesugi et al.	525/309
☐	5298654	March 1994	DeGuire et al.	562/597
☐	5332537	July 1994	Hens et al.	264/22
☐	5342563	August 1994	Quinn et al.	264/63
☐	5362791	November 1994	Ebenhoech et al.	524/440
☐	5366669	November 1994	Quadir et al.	264/6
☐	5380179	January 1995	Nishimura et al.	419/36
☐	5395654	March 1995	Philipp et al.	427/376.6
☐	5397531	March 1995	Peiris et al.	419/36
☐	5417756	May 1995	Bayer et al.	106/272
☐	5421853	June 1995	Chen et al.	75/252
☐	5439964	August 1995	Ohst et al.	524/297
☐	5585428	December 1996	Quinn et al.	524/400
☐	5641920	June 1997	Hens et al.	75/228

ART-UNIT: 174

PRIMARY-EXAMINER: Sanders; Kriellion

ABSTRACT:

The present invention relates to a binder composition comprising a polycarbonate polymer; an ethylenebisamide wax; and a guanidine wetting agent. The present invention further relates to a method for forming a sintered part by powder injection molding, including the steps of forming a green composition comprising a binder and an inorganic powder, wherein binder is a composition comprising a polycarbonate polymer, an ethylenebisamide wax, and a guanidine wetting agent; melting the composition; injecting the composition into a mold for a part; heating the part to a temperature at which the binder decomposes; heating the part to a temperature at which the inorganic powder is sintered. The binder composition of the present invention is useful for press and sinter applications as well as for powder injection molding applications.

32 Claims, 5 Drawing figures